

STATEMENT OF WORK FOR  
REMEDIAL INVESTIGATION  
**Upper Animas Mining District**  
San Juan County, Colorado  
June, 2015

**INTERAGENCY AGREEMENT NO.**  
**WORK ASSIGNMENT: WAF #1**

**PURPOSE**

The purpose of this work assignment (WAF) is to conduct a remedial investigation (RI) at the Upper Animas (UA) Mining District (Site) that will support the selection of a remedy that eliminates, reduces, or controls risks to human health and the environment. Specifically, the RI involves the investigation and study of the mining impacts in the watershed for both aquatic and terrestrial receptors and for human receptors in Silverton and the surrounding area.

The goal in performing the RI is to utilize existing data (where appropriate) to the maximum extent possible and to collect the necessary data to close data gaps in understanding problem(s) contributing to the deterioration in water quality in the Animas River and its tributaries from mining related activities. The RI should support the development of a Feasibility Study(s) in evaluating an appropriate range of alternatives for site remediation resulting in a well-supported Record of Decision(s) (ROD).

The types of support includes but is not limited to: mining and geotechnical engineering, inorganic chemistry, geology, aquatic biology, geology, watershed hydrology – both surface water and groundwater, mine reclamation and remediation including both active and passive treatment methodologies.

**USEPA PRIMARY CONTACTS**

The primary contacts and their contact information for this WAF are:

- Paula Schmittiel, RPM – 303-312-6861, [schmittiel.paula@epa.gov](mailto:schmittiel.paula@epa.gov)
- Liz Fagen, RPM 303-312-6095, [fagen.elizabeth@epa.gov](mailto:fagen.elizabeth@epa.gov)
- Robin Coursen, IA Specialist -303-312-6695 [coursen.robin@epa.gov](mailto:coursen.robin@epa.gov)

**TASK 1 RI WORK PLAN AND PROCUREMENT**

This work element involves planning for the execution and overall management of this task order under the generic IA for technical assistance (Upper Animas Mining District technical support) including the procurement for a qualified contractor. The technical and managerial activities required to implement the RI and the associated costs shall be developed during the planning phase and detailed in the RI work plan and cost estimate.

**WORK PLAN(s)**

Prepare and submit a RI work plan that includes a detailed description of implementation activities, performance monitoring, and overall management strategy, including optimization, for the RI. Typical activities involved in preparing the work plan include, but are not limited to, the following:

- USACE PMP that will address coordination of PRP-oversight tasks with EPA Fund-lead tasks to ensure an integrated management of all site activities as well as other overall project management needs.
- Conflict of Interest Disclosure for selected contractor
- Scoping Meeting
- Scheduling a Site Visit
- Development of a work plan
- Procurement of a qualified contractor in accordance with the FAR

Once a contractor has been procured, the following Site Specific Plans are to be submitted:

- Contractor QMP
- Quality Assurance Project Plan (QAPP) including the appropriate SAPs for field investigations to be conducted in 2016 in accordance with EPA R8 Approved QMP and 40 CFR 300.415(b)(4)(ii) and other EPA guidance.  
*(Note: Contractor should review existing QAPPs/SAPs as part of the development of its QAPP/SAP. The submittal of all QAPP/SAPs to EPA will include a completed Region 8 "crosswalk" form).*
- Site-specific Health & Safety Plan in accordance with 29 CFR 1910.120(l)(1) and (l)(2).

## PROJECT MANAGEMENT

These activities typically include, but are not limited to, the following:

- Monitoring costs and progress.
- Preparing and submitting monthly progress reports and invoices.
- Manage, track, and report status of site-specific equipment.
- Participating in meetings and preparing and submitting meeting summaries.
- Review/evaluate existing data and background documents when requested by EPA.
- Maintaining all technical and financial records for the RI to submit as part of the official record.

## OVERALL CONTRACT MANAGEMENT

### **TASK 2 COMMUNITY INVOLVEMENT**

At this time, the exact needs for community involvement support for the project in 2016 are uncertain given the current status of Site. Therefore, initially fifty (50) hours should be assumed in assisting EPA with community involvement activities. Those activities may include but are not limited to assistance with the following:

- Preparation of a Community Involvement Plan (CIP) however, EPA staff will conduct community interviews.
- Providing public meeting and/or open house support.
- Preparing fact sheets or notices.
- Publishing public notices in local newspapers serving the site community.
- "Interpretation" of technical documents/reports for the public.
- Developing and updating site mailing lists.
- Preparation of the Proposed Plan(s), public hearing support, and technical support for the Responsiveness Summary.

### **TASK 3 RISK ASSESSMENT**

The baseline human health risk assessment will be conducted by EPA risk assessment contractors upon completion of residential soil sampling in Silverton.

A draft baseline ecological risk assessment (BERA) for Cement Creek and the Animas River below Cement Creek was released to the public in April 2015. During the past year, EPA has broadened its scope of investigations to include the entire Upper Animas River watershed above USGS stream gaging station A-72 and will be implementing an extensive field sampling program during 2015. Consequently, EPA intends to develop a second BERA for the Animas River watershed above Cement Creek to the headwaters once the additional data collection and evaluation is completed. A copy of the draft BERA for Cement Creek is available from EPA.

For this task, USACE and its contractor should initially plan on 75 hours of technical assistance and coordination with EPA and its risk assessment contractor(s) as needed.

#### **Table 1 - SUMMARY OF MAJOR SUBMITTALS FOR PHASE #1 OF RI/FS**

- Scoping Meeting
- Site Visit (optional)
- Conflict of Interest Disclosure for selected contractor
- RI Work Plan to include QMP, QAPP/SAP, Site specific Health and Safety Plan, Project Management Plan, Project Schedule and initial Budget Estimates
- Programmatic Agreement for Historic Preservation
- Technical Memorandum @ conclusion of each field season
- Monthly Progress Reports

